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ABSTRACTS

LIST OF ABBREVIATIONS OF JOURNAL TITLES

Aero Dig.	Aero Digest.
Aero. Engng. Rev.	Aeronautical Engineering Review.
Aircraft Engng.	Aircraft Engineering.
Air Trails Pict.	Air Trails Pictorial.
Air Univ. Quart. Rev.	Air University Quarterly Review.
Amer. Aviation	American Aviation.
Amer. Gas Ass. Mon.	American Gas Association Monthly.
Amer. Helicopter	American Helicopter.
Amer. J. Phys.	American Journal of Physics.
Ann. Télécomm.	Annales de Télécommunication.
Antiaircr. J.	Antiaircraft Journal.
Appl. Mechs. Revs.	Applied Mechanics Reviews.
Artill. Tidskr.	Artillerie Tidskrift.
Astr. J.	Astronomical Journal.
Astrophys. J.	Astrophysical Journal.
Atti Accad. Naz. Lincei (R.C. Cl. Sci. Fis. Mat. Nat.)	Atti dell' Accademia Nazionale di Lincei (Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali).
Aust. J. Phys.	Australian Journal of Physics.
Aust. J. Sci. Res.	Australian Journal of Scientific Research.
Autom. Ind.	Automotive Industries.
Aviation Wk.	Aviation Week.
Bol. Soc. Arg. Interplanet.	Boletin de la Sociedad Argentina Interplanetaria.
Boll. Geod. Sci. Aff.	Bolletino di Geodesia e Scienze Affini.
Brit. J. Appl. Phys.	British Journal of Applied Physics.
Bull. Amer. Math. Soc.	Bulletin of the American Mathematical Society.
Bull. Amer. Met. Soc.	Bulletin of the American Meteorological Society.
Bull. Amer. Phys. Soc.	Bulletin of the American Physical Society.
Bull. Cen. Astr. Inst. Czech.	Bulletin of the Central Astronomical Institute of Czechoslovakia.
Bull. Soc. Astr. Pop., Toulouse	Bulletin de la Société Astronomique Populaire, Toulouse.
Bull. U.S.S.R. Acad. Sci., Sect. Tech. Phys.	Bulletin of the U.S.S.R. Academy of Sciences, Section of Technical Physics.
Business Wk.	Business Week.
C.R. Acad. Sci., Paris	Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences.
Calif. Engr.	California Engineer.
Canad. J. Res.	Canadian Journal of Research.
Chem. Engng. News	Chemical & Engineering News
Chem. Engng. Progr.	Chemical Engineering Progress.
Chem. Tr. J.	Chemical Trade Journal.
Cienc. y. Tecn.	Ciencia y Tecnica.
Coast Artill. J.	Coast Artillery Journal.
Comment. Phys. Math., Helsingf.	Commentationes Physico-Mathematicae.
Commun. Pure Appl. Math.	Communications on Pure & Applied Mathematics.
D.H. Gaz.	De Havilland Gazette.
Dokl. Akad. Nauk, S.S.S.R.	Doklady Akademie Nauk, S.S.S.R.
Elect. Engng., N.Y.	Electrical Engineering.
Elektrotech. Z. (E.T.Z.)	Elektrotechnische Zeitschrift.
Elektroteh. Vestn.	Elektrotehniski Vestnik.
Engng.	Engineering.
Engng. J., Montreal	The Engineering Journal.
Engrs. Dig.	Engineers Digest.

Flug. u. Tech.	Flugwehr und Technik.
Forsvarets Forskninst. Årb.	Forsvarets Forskninginstitut Årbok.
Geofis. Pura Appl.	Geofisica Pura e Applicata.
Hawker Siddeley Rev.	Hawker Siddeley Review.
Industr. Engng. Chem.	Industrial & Engineering Chemistry.
Industr. Heat.	Industrial Heating.
Ing. Arch.	Ingenieur-Archiv.
Insts. Autom.	Instruments & Automation.
Int. Ass. Terr. Magn. Atmos. Elect. Bull.	International Association of Terrestrial Magnetism & Atmospheric Electricity Bulletin.
Irish Astr. J.	Irish Astronomical Journal.
Izv. Akad. Nauk, S.S.S.R.	Izvestiya Akademie Nauk, S.S.S.R.
Izv. Akad. Nauk, S.S.S.R., Ser. Fiz.	Izvestiya Akademie Nauk, S.S.S.R., Seriya Fizicheskaya.
J. Aero. Sci.	Journal of the Aeronautical Sciences.
J. Amer. Ceram. Soc.	Journal of the American Ceramic Society.
J. Amer. Chem. Soc.	Journal of the American Chemical Society.
J. Amer. Med. Ass.	Journal of the American Medical Association.
J. Amer. Soc. Naval Engrs.	Journal of the American Society of Naval Engineers.
J. Appl. Mech.	Journal of Applied Mechanics.
J. Appl. Phys.	Journal of Applied Physics.
J. Atmos. Terrestr. Phys.	Journal of Atmospheric & Terrestrial Physics.
J. Aviation Medicine.	Journal of Aviation Medicine.
J. Brit. Astr. Ass.	Journal of the British Astronomical Association.
J. Chem. Met. Mining Soc. S.A. ..	Journal of the Chemical, Metallurgical & Mining Society of South Africa.
J. Chem. Phys.	Journal of Chemical Physics.
J. Franklin Inst.	Journal of the Franklin Institute.
J. Geol.	Journal of Geology.
J. Geophys. Res.	Journal of Geophysical Research.
J. Heredity.	Journal of Heredity.
J. Inc. Plant Engrs.	Journal of Incorporated Plant Engineers.
J. Inst. Navig.	Journal of the Institute of Navigation.
J. Japan. Soc. Aero. Engng. ..	Journal of the Japanese Society of Aeronautical Engineering.
J. Madras Inst. Tech.	Journal of the Madras Institute of Technology.
J. Opt. Soc. Amer.	Journal of the Optical Society of America.
J. Phys. Chem.	Journal of Physical Chemistry.
J. Phys. Coll. Chem.	Journal of Physical & Colloid Chemistry.
J. Res. Nat. Bur. Stand., Wash. ..	Journal of Research of the National Bureau of Standards.
J. Roy. Aero. Soc.	Journal of the Royal Aeronautical Society.
J. Roy. Art.	Journal of the Royal Artillery.
J. Roy. Astr. Soc. Canad.	Journal of the Royal Astronomical Society of Canada.
J. Soc. Mot. Pict. Televis. Engrs. ..	Journal of the Society of Motion Picture & Television Engineers.
J. Southern Res.	Journal of Southern Research.
J. Space Flight	Journal of Space Flight.
J. Tech. Phys., U.S.S.R.	Journal of Technical Physics.
K. Fysiogr. Sällsk. Lund, Förhandl.	Kungliga Fysiografiska Sällskapets i Lund, Förhandlingar.
Leaf. Astr. Soc. Pacif.	Leaflet of the Astronomical Society of the Pacific.
Mater. & Meth.	Materials & Methods.
Math. Gaz.	Mathematical Gazette.
Mech. Engng., N.Y.	Mechanical Engineering.
Mém. Artill. Franc.	Mémorial de l'Artillerie Française.

Mem. Brit. Astr. Ass.	Memoirs of the British Astronomical Association.
Mém. Poudr.	Mémorial des Poudres.
Mém. Soc. Roy. Sci., Liège.	Mémoires de la Société Royale de Science, Liège.
Metal Progr.	Metal Progress.
Mon. Not. Roy. Astr. Soc.	Monthly Notices of the Royal Astronomical Society.
Monatsh. Chem.	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften.
N. Amer. Skyline	North American Skyline.
N.V.R. Pub.	Nederlandse Vereniging voor Ruimtevaart Publicatie.
Nat. Bur. Stand. Tech. News Bull.	National Bureau of Standards Technical News Bulletin.
Nature, Paris	La Nature.
Occ. Not. Roy. Astr. Soc.	Occasional Notices of the Royal Astronomical Society.
Orient. Tech.	Orientation Technique.
Pacif. Rocket Soc. Bull.	Pacific Rocket Society Bulletin.
Phil. Astr. Soc. Bull.	Philadelphia Astronautical Society Bulletin.
Photogr. Engng.	Photographic Engineering.
Phys. Rev.	Physical Review.
Pop. Sci. Mon.	Popular Science Monthly.
Prikl. Mat. i Mek.	Prikladnaya Matematika i Mekhanika.
Proc. Inst. Radio Engrs.	Proceedings of the Institute of Radio Engineers.
Proc. Instn. Mech. Engrs.	Proceedings of the Institution of Mechanical Engineers.
Proc. Instn. Radio Engrs. Aust.	Proceedings of the Institution of Radio Engineers, Australia.
Prod. Engng.	Product Engineering.
Publ. Astr. Soc. Pacif.	Publications of the Astronomical Society of the Pacific.
Quart. Trans. Soc. Automot. Engrs.	Society of Automotive Engineers Quarterly Transactions.
R.A.F. Flying Rev.	Royal Air Force Flying Review.
R.A.F. Quart.	Royal Air Force Quarterly.
Radio Televis. News	Radio & Television News.
Rech. Aéronaut.	Recherche Aéronautique.
Rev. Cienc. Apl.	Revista de Ciencia Aplicada.
Rev. Obras Publ.	Revista de Obras Públicas.
Rev. Opt.	Revue Optique Théorique et Instrumentale.
Rev. Sci., Paris	Revue Scientifique.
Rev. Sci. Instrum.	Review of Scientific Instruments.
Rev. Tech. Suisse (S.T.Z.)	Revue Technique Suisse (S.T.Z.).
Riv. Aero.	Rivista Aeronautica.
Riv. Maritt., Suppl. Tecn.	Rivista Marittima, Supplementa Tecnica.
Riv. Mat. Univ. Parma.	Rivista di Matematica dell' Università di Parma.
Riv. Mil.	Rivista Militare.
Riv. Pol. Econ.	Rivista di Politica Economica.
S. Afr. J. Sci.	South African Journal of Science.
Scweiz. Astronaut. Arb.-Bull.	Scweizerische Astronautische Arbeitsgemeinschaft —Bulletin.
Sci. Amer.	Scientific American.
Sci. Dig.	Science Digest.
Sci. Mon.	Scientific Monthly.
Sci. News	Science News.
Sci. Progr.	Science Progress.
Soc. Automot. Engrs. J.	Society of Automotive Engineers' Journal.

Tech. Mod.	Technique Moderne.
Techn. Autom.	Technique Automotive.
Techn. Rev.	Technology Review.
Tekn. Tidskr.	Teknisk. Tidskrift.
Trans. Amer. Geophys. Un.	Transactions of the American Geophysical Union.
Trans. Amer. Soc. Mech. Engrs.	Transactions of the American Society of Mechanical Engineers.
Trans. Faraday Soc.	Transactions of the Faraday Society.
U.S. Air Serv.	U.S. Air Services.
U.S. Cen. Air Docum. Off. (N.-A.F.) Tech. Data Dig.	U.S. Central Air Documents Office (Navy-Air Force) Technical Data Digest.
U.S. Naval Inst. Proc.	U.S. Naval Institute Proceedings.
Voordr. K. Inst. Ing.	Voodrachten gehouden voor het Koninglijk Instituut van Ingenieurs.
West. Aviation	Western Aviation.
West. Flg.	Western Flying.
World Petrol.	World Petroleum.
Z. angew. Math. Phys.	Zeitschrift für angewandte Mathematik und Physik.
Z. Astrophys.	Zeitscrift für Astrophysik.
Z. Elektrochem.	Zeitschrift für Elektrochemie.
Z. Naturforsch.	Zeitschrift für Naturforschung.
Z. Phys. Chem.	Zeitschrift für den Physikalische Chemie.
Z. Ver. dtsch. Ing. [V.D.I.]	Zeitschrift des Vereines deutscher Ingenieure.

OTHER ABBREVIATIONS

Aero. Res. Coun. Rept. Mem.	Aeronautical Research Council Reports & Memoranda.
Amer. Soc. Met. Prepr.	American Society for Metals Preprint.
Calif. Inst. Tech., Jet Prop. Lab.	California Institute of Technology, Jet Propulsion Laboratory.
Heat Transf. Fluid Mech. Inst.	Heat Transfer & Fluid Mechanics Institute.
Mass. Inst. Tech., Depts. Chem. & Chem. Engng., Div. Ind. Coop.	Massachusetts Institute of Technology, Departments of Chemistry & Chemical Engineering, Division of Industrial Cooperation.
N.A.C.A.	National Advisory Council on Aeronautics.
Princeton Univ. Aero. Engng. Lab.	Princeton University Aeronautical Engineering Laboratory.
Princeton Univ. Aero. Res. Lab.	Princeton University Aeronautical Research Laboratory.
Princeton Univ. Gugg. Jet Prop. Center.	Princeton University Guggenheim Jet Propulsion Center.
Publ. Sci. Min. Air, France	Publications Scientifiques et Techniques du Ministère de l'Air.
Selected Govt. Res. Repts.	Selected Government Research Reports.
U.S. Dept. Comm., Off. Tech. Serv.	U.S. Department of Commerce, Office of Technical Services.
U.S. Naval Ord. Test Sta.	U.S. Naval Ordnance Test Station.
U.S. Naval Res. Lab.	U.S. Naval Research Laboratory.

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